Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/27/2020 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125364	0	1.75	125482	1.75
Blue	F	SSC	125000	124047	-1	1.73	124849	1.75
Blue	E	FITC	16433	16032	-3	2.65	350	19.23
Blue	D	PE	27595	27190	-2	1.89	592	14.31
Blue	B	PerCP-Cy5-5	43183	43468	0	3.65	1169	19.90
Blue	A	PE-Cy7	31943	32018	0	5.93	614	39.63
Red	C	APC	42819	42302	-2	2.45	1494	11.76
Red	A	APC-Cy7	31261	30671	-2	2.38	812	11.47
Violet	B	V450	6527	6183	-6	4.43	346	13.76
Violet	A	V500	24533	23475	-5	4.24	548	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17517	8.75	617	17	N/A	N/A	Pass
Blue	F	SSC	56510	1.27	557	9	N/A	N/A	Pass
Blue	E	FITC	64	64.02	542	3	0.0230	207	Pass
Blue	D	PE	123	49.42	539	5	0.1810	301	Pass
Blue	B	PerCP-Cy5-5	215	49.42	654	12	0.0096	80	Pass
Blue	A	PE-Cy7	112	100.12	701	12	0.0116	20	Pass
Red	C	APC	356	25.12	577	-6	0.0269	233	Pass
Red	A	APC-Cy7	179	27.49	557	-6	0.0061	894	Pass
Violet	B	V450	52	61.05	444	-11	0.0427	1721	Pass
Violet	A	V500	83	35.21	456	-11	0.0232	1038	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.53	-32.16	1.04
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	17.57	13.60 - 20.40	N/A	N/A	29.67	30.11	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10194

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments